TARGET 2.2.2

GCCS System Administrator

Notes

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1.0 Purpose

The purpose of this document is to assist the System Administrator in the install/use of TARGET 2.2.2 in describing hardware/software requirements, and how to fix Objectivity/MATT/SMP etc problems which might occur. This document is not intended to replace the user's manual for any of the COTS or TARGET software.

2.0 TARGET

2.1 Disk/Memory

TARGET is approximately 478M but should be installed in a partition which contains at least 600M of free space to allow for growth of the database. Each plan created will be about 20M initially and can grow, so allow for as much space as you think is needed. If the database can not obtain the space, TARGET will notify the user that
no additional objects may be added. The system administrator must either free space on that partition or relocate the OODB to a partition with enough space. Single plans may not span a partition although various Plans may be spread around any number of partitions or even seperate machines of a different architecture. Please contact BBN before attempting to configure a system in this way.

2.2 GSORTS

The GSORTS database manager must query the GSORTS database to get the forces data. Run the run_srt2tgt.sh script to format the query output and copy the resultant file (srt2tgt.out) onto the TARGET machine. The run_srt2tgt.sh script is in the /usr/target/utilities/gsorts-access directory. The run_srt2tgt file must be edited to reflect the local machine name which contains the GSORTS database. The srt2tgt.out file is rcp'd to the TARGET host machine into the /usr/target/data directory as FORCES.dat.

The manager might want to create cron jobs to run the GSORTS query, run_srt2tgt.sh script, and the copying of the FORCES.dat file.

To load the new forces into TARGET, run the cleanup script in /usr/target/bin to run the setupTargetLib program. You must source the /h/TARGET/Scripts/.cshrc.TARGET file prior to running the cleanup script. In the SetupTargetLib window, select the File->Load force library menu item. The new forces will be loaded into the TARGET database.

3.0 MATT

The vector map data does not include railroad, populated places, drainage, or utilities.

There is also the ability to use the DCW CDROMs directly via the CDROM drive. This ability tends to be slower, but can be useful on storage-limited systems or to look at data not converted to OpenMap format. In the $TARGET_HOME/progs/TARGET_startup file, set the MAP_DATA_DIR environment variable to be where the DCW CDROM's map data is located.

The MATT daemon must not be run as root as it causes security problems. The $TARGET_HOME/MATT/bin/rc.matt script does a su command to sysadmin, if sysadmin isn't a user on the machine, please change the user name (sysadmin) to something more appropriate.

4.0 MMCONF/SMP

SMP assumes the /maps is pointing to a place which contains raster maps in the directory structure similar to /h/TARGET/DCP/mmconf/maps which is where /maps is linked to in the PostInstall script. There is a small set of maps in $TARGET_HOME/mmconf/maps/charts to be used to test SMP. If there is a location that contains a full set of raster maps, change the /maps link to point to it and change $TARGET_HOME/mmconf/maps to point to /maps.

When SMP is started, it automatically loads up the maps and overlays from mmconf/maps/charts and mmconf/maps/overlays. Please don't remove the overlays directory. If there isn't a map displayed in SMP when started, the /maps link is incorrectly set.

5.0 Objectivity

Objectivity requires a /usr/object link to wherever the database is located.

The Objectivity database used by TARGET can be corrupted whenever TARGET process has been removed (by either crashing or being killed). In order to clean the database, you must run the $TARGET_HOME/bin/cleanup script. The cleanup script requires the $TARGET_HOME/Scripts/.cshrc.TARGET be sourced prior to running the script. In cleanup window, select the File-> Clear Process Container menu item and after the process container is cleared, Quit.

6.0 Applix

TARGET contains Applix macros which are required to be available to use by TARGET. Applix assumes these macros will be in either in axhome/macros under the user's home directory, applix/axlocal, applix/axdata/eng, or axdata/eng directories. The $TARGET_HOME/bin/TARGET_startup script currently copies the macros to the user's home directory. The macros created by TARGET developers start with TARGET_, the other macros were available through Applix.

TARGET assumes there is an /usr/local/applix link to wherever Applix is located. The PostInstall script checks if there is a /h/COTS/APPLIX and will create the link, if /usr/local/applix is not there OPT and Print will not work correctly.